



REPLY TO
ATTENTION OF:

AFZA-MB-PM

DEPARTMENT OF THE ARMY
HEADQUARTERS, 44TH MEDICAL BRIGADE
FORT BRAGG, NORTH CAROLINA 28307-5000

15 November 1999

MEMORANDUM FOR SEE DISTRIBUTION

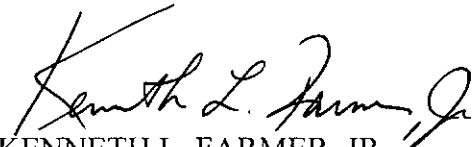
SUBJECT: Unit Field Sanitation Requirements

1. We must embrace the concept of Force Health Protection as medical commanders and leaders. Our role is not only to deploy a healthy and fit force, but to maintain and improve the health status of the soldier. Your unit field sanitation team (FST) is a powerful weapon in your Force Health Protection arsenal. My challenge to you is to set the example for XVIII Abn Corps and the Army in making your FST the cornerstone of Force Health Protection in your unit.

2. I endorse the three enclosures to define your field sanitation operations. POC for this action is MAJ Swalko or LTC West at 7-4223/4224.

3 Encls

1. Bde Field Sanitation SOP
2. PM Checklist, Field
3. CDRs FST Program Requirements


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Brigadier General, U.S. Army
Commanding

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C, E, G

44th Medical Brigade Field Sanitation Standing Operating Procedures

1. References.

- a. AR 40-5, Preventive Medicine.
- b. FM 21-10, Field Hygiene and Sanitation.
- c. FM 21-10-1, Unit Field Sanitation Team.
- d. FORSCOM 700-2, Standing Logistics Instructions.

2. **Purpose.** To reduce Disease and Non-Battle Injury (DNBI) by ensuring effective preventive medicine measures (PMM) are routinely practiced under all field and garrison operations.

3. **Scope.** This SOP specifies field and garrison sanitation team operations.

4. **Unit Commanders.** Unit Field Sanitation Teams (FSTs) must be proactive to be effective. Therefore, commanders must ensure unit FSTs are properly trained, equipped, and given the latitude to execute their FST mission. Responsibilities in garrison include but are not limited to the following:

- a. Provide climatic injury prevention/recognition classes to unit prior to appropriate season; document climatic classes and forward training documents (copies) to their supporting preventive medicine (PM) assets (i.e. 261 ASMB, 55th Med Group); and,
- b. Conduct quarterly inspections of the 400 gallon water trailer (M-149) or 1000 gallon tanker using DA Form 5457. Completed form(s) is forwarded to supporting PM asset. Units are responsible for tracking of these programs and ensuring the completed forms are forwarded to their supporting PM asset.

5. **Brigade PM Assets.** Are responsible for administrative tracking of programs to validate program compliance.

6. **Field Sanitation Team.** Consists of one NCO and one Junior Enlisted member. The FST is the commander's advisor on field sanitation operation. The FST executes both field and garrison sanitation responsibilities integral to force health protection. The efficiency of the FST is directly proportional to the emphasis given by the unit commander.

7. **Modifications to this SOP.** Modifications to this SOP are authorized and encouraged. Suggested modifications to this SOP must be submitted through the supporting preventive medicine asset for review/comment and forwarded to Brigade PM for approval.

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8. **Key.** The individuals with the requirement for performing the indicated PMM task are identified in the ACTION column. The SUPERVISE/FOLLOW-UP column identifies the leader/NCO responsible. The individuals are keyed as follows:

SS-Supply Sergeant
DF-Dining Facility Sergeant
FS-Field Sanitation Team

OP-Operator
DL-Assigned Detail
IS-First Sergeant

9. Actions and Responsibilities.	<u>ACTION</u>	<u>SUPERVISE/ FOLLOW UP</u>
a. Planning and Preparations.		
(1) Provide personal PMM instruction to troops	FS	IS
(2) Inventory and load supplies and equipment	FS	
b. Potable Water.		
(1) Water trailer/tanker		
a). Inspect/clean/disinfect	OP/FS	FS
b). Adjust chlorine residue	FS	
c). Construct soakage pits	DL	
d). If ice is added to drinking water, ensure ice is from an approved source and is transported/handled under sanitary practices.	DF	FS
(2) Water containers (5-gal can)		
a). Inspect/clean/disinfect	DL/FS	FS
b). Adjust chlorine residue	FS	
(3) Canteen		
a). Clean/maintain	OP	
b). Disinfect	OP/FS*	

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* Individuals will disinfect their own water when using iodine tablets or water purification tablet, chlorine (class on their use will be provided by the FST. When using chlorine in bulk formulation, the FST will provide guidance on its use.

c. Potentially Hazardous Foods (PHFs)

(1) Maintain proper internal temperatures	DF	FS
(2) Maintain proper storage temperatures	DF	FS
(3) Ensure proper thawing of all foods	DF	FS
(4) Do NOT exceed 3-hour (cumulative) limit for PHFs (foods out of proper temperature zone)	DF	FS

d. Rubbish/Garbage.

(1) Ensure proper storage/separation	SS/DF	FS
(2) Collection points properly managed	SS/DF	FS

e. Vector Control.

(1) Appropriate rodent management	FS
(2) Active arthropod control program	FS

f. Field Latrines.

(1) Appropriate number/types	FS	
(2) Properly located	FS	
(3) Properly constructed	DL	FS
(4) Maintained in sanitary condition	DL	FS

g. Hand Wash Stations.

(1) Properly located	DL	FS
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(2) Sufficient quantity	FS	
(3) Properly supplied	SS	FS
(4) Construction of soakage pit(s)	DL	FS

10. Field Sanitation Team (FST) Items.

All company, troop, and battery-sized units will prestock at home station the following items for use by the FST and requisition as needed to maintain full inventory levels:

<u>ITEM</u>	<u>NSN</u>	<u>UI</u>	<u>Allowance</u>
Alcohol Swabs, Sgl Pads 500s	6510-01-153-4638	BX	1/150 indv
Calcium Hypochlorite 6 oz jar (See Note 1)	6810-00-255-0471	BT	1/50 indv
Chest, #3, 30x18x10 Aluminum (See Note 2)	6545-00-914-3480	EA	As Req'd to move stored items
Chlorination Kit, Water Purification or Chlorination Kit, Water	6850-00-270-6225	KT	1/15 indv
	6850-01-374-9921	KT	1/15 indv
Chlorine Test Tablets DPD #1 (100 tablets)	6550-01-044-0315	PG	1
Container, Bait, Rodent (UI contains 6 bait stations)	3740-01-423-0737	BX	1/team
Disinfectant, Food Service (U/I contains 12 packets)	6840-00-810-6396	BX	1/75 indv

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Gloves, Chemical and Oil Protective (size 9) or (size 11)	8415-01-012-9294 8415-01-013-7384	PR	2/150 indv
Goggles, Industrial Non-vented	4240-00-190-6432	EA	2/150 indv
Insect Repellent, Personal Application, 2 oz tube (UI contains 12 tubes)	6840-01-284-3982	BX	4 tubes/indv
Insect Repellent, Clothing Application IDA Kit (UI contains 12 kits)	6840-01-345-0237	BX	4 Kits/indv
Insect Repellent, Clothing & bednet Treatment, Aerosol, 6 oz can (UI contains 12 cans)	6840-01-278-1336	BX	1 can/indv
Insecticide, Chlorpyrifos 42%, Unit Dose 40 ml btl (Dursban LO) (UI contains 12 btls) or Insecticide, Demand Pestab 10% Tablets, Unit Dose (UI contains 40 Tablets) (See Note 3)	6840-01-210-3392 6840-01-431-3357	BX CO	1/150 indv 1/150 indv
Insecticide, d-Phenothrin 2%, Aerosol, 12 oz	6840-01-412-4634	CN	1/indv
Mouse Trap, Spring Indv (UI contains 12 traps)	3740-00-252-3384	DZ	4dz/150indv
Rat Trap, Spring (UI contains 12 traps)	3740-00-260-1398	DZ	4dz/150indv

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Rodenticidal Bait Anticoagulant, 0.005% diphacinone 40 blocks per box	6840-00-089-4664	BX	1/150 indiv
Rodenticide Bait Anticoagulant, 0.005% brodifacoum (Talon-G) 11 lb. can or Rodenticidal Bait Anticoagulant, 0.005% bromadiolone, (Maki Pellets) 11 lb. can (See Note 4)	6840-01-426-4808 6840-01-151-4884	CN CN	1/150 indiv 1/150 indiv
Sprayer, Insecticide, Manually Carried, 2-Gal or Sprayer, Insecticide, Manually Carried, 1-Gal (See Notes 5 & 6)	3740-00-641-4719 3740-00-191-3677	EA EA	1/150 indiv 1/150 indiv
Swatter, Fly (UI contains 12 fly swatters)	3740-00-252-3383	DZ	1/150 indiv
Test Paper, Chlorine Residual (UI is package of 10)	6630-01-012-4093	PG	1/unit
Thermometer, Food	6685-00-444-6500	EA	2/unit
Water Purification Tablet, Chlorine (UI contains 10 tablets) or Water Purification Tab 50s, Iodine, 8 MG (UI contains 50 tablets)	6850-01-352-6129 6850-00-985-7166	PG BT	10/indv 2/indv
Wet Bulb-Globe Temperature (WBGT) Kit	6665-01-381-3023	EA	1/unit
Wet Bulb-Globe Temperature (WBGT) Black Globe Thermometer	6685-01-110-4429	EA	1

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Wet Bulb-Globe Temperature (WBGT) Wet Bulb Thermometer	6685-01-110-4430	EA	1
Wet Bulb-Globe Temperature (WBGT) Dry Bulb Thermometer	6685-01-110-6563	EA	1
Wet Bulb-Globe Temperature (WBGT) Wick - (Use cotton shoe string for replacement)		EA	1

NOTE 1: Store Calcium Hypochlorite separately from organic materials in individually packed plastic zip lock bags. Place individually packed zip lock bags into a serviceable ammunition can marked with Department Of Transportation (DOT) Oxidizer labels.

NOTE 2: Units may store FST materials (except NSN 6810-00-255-0471, Calcium Hypochlorite, unless packed in a serviceable ammunition can) in a sealed metal chest or in a footlocker. Whenever possible, keep all materials in their original packaging. If removed from the original package, label and package the materials into a fiberboard or plywood box and then place them into the sealed metal chest or footlocker.

NOTE 3: Demand Pestab replaces Insecticide, Chlorpyrifos (Dursban LO, NSN 6840-01-210-3392). Use Dursban LO until stocks depleted.

NOTE 4: Do not prestock Talon-G or Maki because of short shelf-life. Order on a priority basis prior to anticipated deployment. For emergency procurement: Contact the Defense Supply Center, Richmond (DGSCR) Emergency Supply Operations Center (ESOC) at DSN 695-4865 [commercial (804) 279-4865]. This ESOC is staffed 24 hours, 7 days per week.

NOTE 5: Obtain three sets of repair parts for each sprayer. Repair parts include items such as: check valves, pressure cups, filters, O-rings, and four way nozzles with crack and crevice tips. Order repair parts from the sprayer manufacturer by part number as Class IX repair parts.

NOTE 6: If all sprayers are not equipped with a pressure gauge, order a pressure gauge, NSN 3740-01-332-8746, and filter, NSN 4330-01-332-1639, to retrofit the sprayers.

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44th Medical Brigade Preventive Medicine Checklist, Field Environment

1. References.

- a. AR 40-5, Preventive Medicine.
- b. FORSCOM Regulation 700-2, FORSCOM Standing Logistic Instructions.
- c. FM 21-10, Field Hygiene and Sanitation.
- d. FM 21-10-1, Unit Field Sanitation Team.
- e. TB MED 577, Occupational and Environmental Health, Sanitary Control and Surveillance of Field Water Supplies.
- f. 44th Medical Brigade Standard Operating Procedures, Wastewater and Solid Waste Disposal in the Field.

2. Field Sanitation Team (FST).

- | | <u>YES</u> | <u>NO</u> |
|---|------------|-----------|
| a. Does each company/detachment have an NCO trained in the 40-hour FST course, with certificate of training? | _____ | _____ |
| b. Does each company/detachment have a junior enlisted soldier trained in the 40-hour FST course, with certificate of training? | _____ | _____ |
| c. Is the trained NCO on orders as FST NCO/Leader? | _____ | _____ |
| d. Is the trained junior enlisted soldier on orders as an FST member? | _____ | _____ |
| e. Are equipment/supplies on-hand or on valid requisition with due-in status? | _____ | _____ |
| f. Is calcium hypochlorite stored separately from pesticides and any POL? Supplies should be stored IAW Notes 1 & 2 of Figure 3-1 in FORSCOM Reg 700-2. | _____ | _____ |

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- g. Is there a unit FST SOP, and does it address: responsibility of FST; procedures for rotation, issue, requisition, storage and disposal of expendable FST supplies; written inspection logs for food service, field water supply, waste disposal, and other sanitary inspection which the commander may require; and, countermeasure plan for preventing climatic injury? _____
- h. Are references listed above on hand? _____

3. Field Water Supply.

- a. Are unit water trailers serviceable and marked: POTABLE WATER ONLY? _____
- b. Have preventive medicine personnel inspected water trailers within the past six months? _____
- c. Are water containers properly cleaned and disinfected prior to use? _____
- d. Is water obtained from approved sources? _____
- e. Is water properly disinfected, protected and monitored to ensure proper chlorine residual? _____

4. Food Service.

- a. Are kitchen utensils properly cleaned, disinfected and stored? _____
- b. Are soldiers consuming water only from approved sources? _____
- c. Are potentially hazardous foods being maintained at appropriate temperatures (i.e. at < 45°F or > 140°F) and monitored using a food thermometer? _____
- d. Are hand washing devices provided at food service areas? _____
- e. Are dry goods stored properly? _____

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5. Waste Management.

- | | | |
|--|-------|-------|
| a. Are garbage, trash, and rubbish promptly and properly disposed of (removed from the field site before dark to discourage skunks, raccoons and rodents)? | _____ | _____ |
| b. Is regulated medical waste properly handled and disposed of? | _____ | _____ |
| c. Is hazardous waste properly handled and disposed of? | _____ | _____ |
| d. Is gray water properly handled and disposed of? | _____ | _____ |

6. Latrines.

- | | | |
|--|-------|-------|
| a. Does the unit have sufficient latrines to accommodate its soldiers (should accommodate 4% of males and 6% of females at one time)? | _____ | _____ |
| b. Is the unit using the proper type of latrine based on length of stay, soil conditions, depth of water table, etc? | _____ | _____ |
| c. Are latrines located at least 100 yards downwind of the unit mess, 100 feet downhill from any unit water source and accessible but at least 30 yards from the end of the unit area? | _____ | _____ |
| d. Are hand washing devices provided near latrines? | _____ | _____ |
| e. Are latrine facilities properly maintained (policed, cleaned, sprayed with insecticide if necessary); are port-a-potties pumped out and sanitized frequently? | _____ | _____ |

7. Climate.

- | | | |
|--|-------|-------|
| a. Are soldiers protecting themselves from cold/heat injuries? | _____ | _____ |
|--|-------|-------|

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- b. Are soldiers being monitored to ensure they are drinking adequate fluids? _____
- c. Is the heat index being monitored in the unit area with a WBGT? _____

8. Pest Management.

- a. Are soldiers wearing their uniforms properly and using insect repellents and bed nets if appropriate? _____
- b. Are soldiers storing personal food in tightly covered containers such as cake tins? _____

9. Miscellaneous.

- a. Are soldiers practicing good personal hygiene? _____
- b. Is the wearing of hearing protection devices enforced in noise hazard areas? _____